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O *See oxygen.*

Ohm's system. [MA79] A system of electrical and mechanical units in which the fundamental units are the ohm, ampere, second, and meter, and the base units of these quantities are the ohm, ampere, second, and meter.

obelisk. [MA79] A frustum of a regular, rectangular pyramid.

object. [OPTICS] A collection of points which may be reflected or refracted by an optical system, whether in a virtual object.

object contrast. [OPTICS] The ratio of the difference between the brightness of an object and the background to the brightness of the background in an image or reproduction.

object glass. *See objective.*

object space. [OPTICS] The space between the object and the optical system, many scientists exclude mirrors from the definition. Also known as object glass.

object system. [MA79] A system of programming the function, expressing given conditions for a system, which one seeks to minimize subject to given constraints.

object's grating. [OPTICS] A series of equally spaced parallel gratings of images in the resulting diffraction pattern.

oblique angle. [MA79] An angle that is neither a right angle nor a multiple of a right angle.

oblique astigmatism. *See radial astigmatism.*

oblate ellipsoid. *See oblate spheroid.*

oblate spheroid. [MA79] The surface or ellipsoid generated by revolving an ellipse about one of its axes so that the diameter of its equatorial circle exceeds the length of the axis of revolution. Also known as oblate ellipsoid.

oblate spheroidal coordinate system. [MA79] A three-dimensional coordinate system in which the surfaces are of confocal ellipses and hyperbolas about the minor axis of rotation, together with the planes passing through the axis of rotation.

oblique angle. [MA79] An angle that is neither a right angle nor a multiple of a right angle.

oblique astigmatism. *See radial astigmatism.*

OBLATE SPHEROID

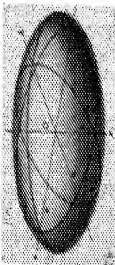


Diagram of an oblate spheroid generated by revolving an ellipse about one of its axes so that the diameter of its equatorial circle exceeds the length of the axis of revolution. Zc.